



Validation of analysis methods  
NF148 – Application to water

# Certificate

Certificate No.: **BRD 07/16-12/07**  
Renewal decision dated: 14-10-2015  
Expiry date: 18-12-2019

The Company:

**BIO-RAD**  
3 Boulevard Raymond Poincaré  
92430 Marnes La Coquette - France

Is authorized to affix the NF VALIDATION mark on the analysis method cited below, in accordance with the NF VALIDATION general rules and the certification rules NF148 - Validation of alternative analysis methods (Application to water):

## iQ-Check<sup>®</sup> *Legionella pneumophila*

Validated for the detection and the quantification of *Legionella pneumophila*

Technical sheet  
reference's

iQ-Check<sup>®</sup> *L. pneumophila* Screen (ref. 3578105) and Quanti (ref. 3578103) kits: **Code 881117 – 12/2015**  
AQUADIEN<sup>™</sup> kit (ref. 3578121): **Code 881116 – 12/2015**

This decision attests that the analysis method has been assessed by AFNOR Certification and found to conform to the standards cited in page 2/2 and complementary requirements, as specified in the certification reference document. The principal certified characteristics are the "analytical performances" as defined in the associated validation study summarized report (calibration function, LOD, LOQ and positive threshold, yield...), available on the certification dedicated website <http://nf-validation.org/en>.

This certificate supersedes all previous certificates (last version dated 07-01-2014). This NF VALIDATION certificate, included 2 pages, is valid until **18<sup>th</sup> December 2019**. It is subject to the results obtained upon regular controls carried out by AFNOR Certification. Appropriate decision is made by AFNOR Certification in accordance with the NF VALIDATION general rules and certification rules NF148 - Validation of alternative analysis methods (Application to water).



Managing Director  
Franck LEBEUGLE

Issue dated 07-04-2016

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The analysis method:

## iQ-Check<sup>®</sup> *Legionella pneumophila*

Validated for the detection and the quantification of *Legionella pneumophila*

Manufactured by:

Bio-Rad Laboratories, Inc.  
2000 Alfred Nobel Drive  
Hercules, California 94547 - USA

Has been certified according to the reference documents and the application scope specified here after:

|                      |  |
|----------------------|--|
| Validation protocol  | <b>NF VALIDATION - Validation of analysis methods: Application to water microbiology.</b> Validation protocol for commercial methods of detection and quantification of <i>Legionella</i> and <i>Legionella pneumophila</i> by concentration and gene amplification by polymerase chain reaction (PCR). Revision 3 (September 2015).   |
| Reference method(s)  | <b>NF T90-471</b> (June 2015): Water quality. Detection and quantification of <i>Legionella</i> and/or <i>Legionella pneumophila</i> by concentration and genic amplification by real time polymerase chain reaction (qPCR).<br><b>ISO/TS 12869</b> (November 2012): Water quality. Detection and quantification of <i>Legionella</i> spp. and/or <i>Legionella pneumophila</i> by concentration and genic amplification by quantitative polymerase chain reaction (qPCR). |
| Scope                | Sampling all types of waters.  |
| Restriction(s)       | None.  |
| Warning              | None.  |
| Other information(s) | The scope includes the instruments Chromo4 (use with Opticon Monitor software v3.4), and also CFX96 and CFX96 Deepwell Touch (use with CFX Manager IDE software v2.2).   |

Please send any queries concerning the performances of the certified alternative method to AFNOR Certification.

You may download the validation study summarized report on <http://nf-validation.afnor.org/en>.

